

10/748,615

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	569	514/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:32
L2	5	1 and arginine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:32
L3	12	1 and lysine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:33
L4	1435	carnitine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:33
L5	328	4 and composition.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:35
L6	895	514/58.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:35
L7	569	514/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:35
L8	1062	514/546.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:36
L9	1113	514/547.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:36

EAST Search History

L10	14	6 and (7 8 9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:36
S1	82	arginine same pyrrolidone same carboxylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:41
S3	3070	lysine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:51
S4	0	514/ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:51
S5	5675	hydrochloride.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:52
S6	0	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:52
S10	1	cortisol same maltodextrin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 18:44
S11	58	cortisol and maltodextrin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 18:45
S12	4	S11 and hgh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 18:45
S13	1	arginine-2-pyrrolidone-5-carboxylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/21 15:29

EAST Search History

S14	22	arginine adj pyroglutamate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:32
S15	0	arginine adj 5-oxo-proline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:33
S16	10	"914342"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:33
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S18	14	"9801474"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:37
S19	2	"4388325".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:37
S20	2	cortisol adj suppressant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:55
S21	0	cortisol adj suppressent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:55
S22	0	cprtisol same (amino adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:55
S23	527	cortisol same (amino adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:56

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S24	5	S23 same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:00
S25	59	S23 same uptake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:58
S26	3	S23 same reuptake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:58
S27	0	maltodextrin same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:00
S28	0	carnatine same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:00
S29	6	carnitine same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:02
S30	30	high same cortisol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:09
S31	2	maltodextrin same cortisol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:24
S32	69	high same anabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:24
S33	49	cortisol same catabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:34

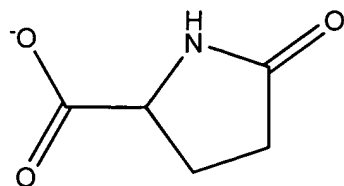
EAST Search History

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S36	4	hgh same (nutritional adj supplement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:44
S37	58	cortisol same carnitine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:45
S38	0	acetyl adj carnatine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:46
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S40	82	S39 and muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:46
S41	8	S39 same muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:47
S42	5	S39 and cortisol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:51
S43	9	S39 and catabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:53

EAST Search History

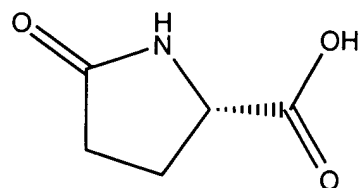
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S46	6842	nutritional adj supplement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:14
S47	4	S46 same hgh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:15
S48	3	S46 same S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:16
S49	1	S46 same carnatine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:24
S50	233	S46 same carnitine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:25
S51	1534	mitochondria? same muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:26
S52	96	mitochondria? near2 muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:32

10/748,615

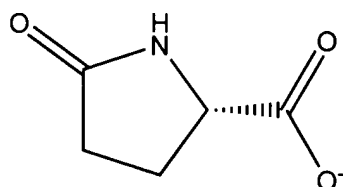


pyrrolidone-5-carboxylate

Caution: A net charge appears to be present

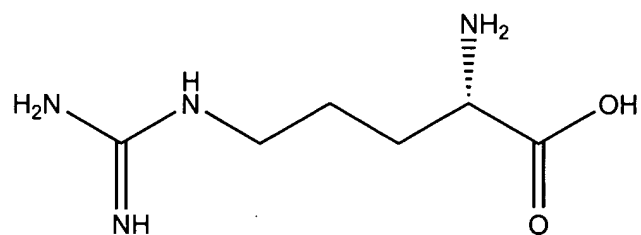
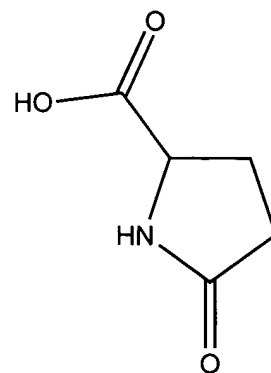


5-oxo-proline



pyroglutamate

Caution: A net charge appears to be present



arginine-2-pyrrolidone-5-carboxylate

Connecting via Winsock to STN

10/748,615

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- NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
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thesaurus added in PCTFULL
- NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered
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- NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display
in MARPAT
- NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during
second quarter; strategies may be affected
- NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
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=> e 657-27-2/rn

E1 1 657-24-9/RN

E2 1 657-26-1/RN

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E12 1 657-38-5/RN

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E12 1 9050-45-7/RN

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.88	1.09

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E 657-27-2/RN
L1 1 S E3
E 64855-91-0/RN
L2 1 S E3
E 3040-38-8/RN
L3 1 S E3
E 9050-36-6/RN
L4 1 S E3

FILE 'CAPLUS' ENTERED AT 14:20:51 ON 09 MAY 2006

=> s l1 and l2
1118 L1
13 L2
L5 1 L1 AND L2

=> s l3 or l4
911 L3
3508 L4
L6 4417 L3 OR L4

=> s l5 and l6
L7 1 L5 AND L6

=> d bib abs l7

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:570531 CAPLUS
DN 143:83512
TI Nutritional supplement for enhancing the production and effect of natural human growth hormone
IN Nerenberg, Arnold P.
PA USA
SO U.S. Pat. Appl. Publ., 7 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2005143343 A1 20050630 US 2003-748615 20031230
PRAI US 2003-748615 20031230

AB A nutritional supplement for enhancing the production and effect of natural human growth hormone includes: L-arginine-2-pyrrolidone-5-carboxylate in an amount of about 500 mg to about 10 g; L-lysine-HCl in an amount of about 500 mg to about 10 g; and a cortisol suppressant including at least one of acetyl-L-carnitine in an amount of about 1 g to about 10 g and maltodextrin in an amount of about 1 g to about 10 g.

=> s 12

L8 13 L2

=> d ibib abs 1-13 18

L8 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:570531 CAPLUS

DOCUMENT NUMBER: 143:83512

TITLE: Nutritional supplement for enhancing the production and effect of natural human growth hormone

INVENTOR(S): Nerenberg, Arnold P.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 7 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005143343	A1	20050630	US 2003-748615	20031230
PRIORITY APPLN. INFO.:			US 2003-748615	20031230

AB A nutritional supplement for enhancing the production and effect of natural human growth hormone includes: L-arginine-2-pyrrolidone-5-carboxylate in an amount of about 500 mg to about 10 g; L-lysine-HCl in an amount of about 500 mg to about 10 g; and a cortisol suppressant including at least one of acetyl-L-carnitine in an amount of about 1 g to about 10 g and maltodextrin in an amount of about 1 g to about 10 g.

L8 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:485667 CAPLUS

DOCUMENT NUMBER: 143:165983

TITLE: Ligand-Based Virtual Screening and in Silico Design of New Antimalarial Compounds Using Nonstochastic and Stochastic Total and Atom-Type Quadratic Maps

AUTHOR(S): Marrero-Ponce, Yovani; Iyarreta-Veitia, Maite; Montero-Torres, Alina; Romero-Zaldivar, Carlos; Brandt, Carlos A.; Avila, Priscilla E.; Kirchgatter, Karin; Machado, Yanetsy

CORPORATE SOURCE: Department of Pharmacy, Faculty of Chemical Pharmacy and Department of Drug Design, Chemical Bioactive Center, Central University of Las Villas, Santa Clara, Villa Clara, 54830, Cuba

SOURCE: Journal of Chemical Information and Modeling (2005), 45(4), 1082-1100

CODEN: JCISD8; ISSN: 1549-9596

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:165983

AB Malaria has been one of the most significant public health problems for centuries. It affects many tropical and subtropical regions of the world. The increasing resistance of Plasmodium spp. to existing therapies has heightened alarms about malaria in the international health community. Nowadays, there is a pressing need for identifying and developing new drug-based antimalarial therapies. In an effort to overcome this problem, the main purpose of this study is to develop simple linear discriminant-based quant. structure-activity relation (QSAR) models for

the classification and prediction of antimalarial activity using some of the TOMOCOMD-CARDD (TOpol. Mol. COmputer Design-Computer Aided "Rational" Drug Design) fingerprints, to enable computational screening from virtual combinatorial datasets. In this sense, a database of 1562 organic chems. having great structural variability, 597 of them antimalarial agents and 965 compds. having other clin. uses, was analyzed and presented as a helpful tool, not only for theor. chemists but also for other researchers in this area. This series of compds. was processed by a k-means cluster anal. to design training and predicting sets. Afterward, two linear classification functions were derived to discriminate between antimalarial and nonantimalarial compds. The models (including nonstochastic and stochastic indexes) correctly classify more than 93% of the compound set, in both training and external prediction datasets. They showed high Matthews' correlation coeffs., 0.889 and 0.866 for the training set and 0.855 and 0.857 for the test one. The models' predictivity was also assessed and validated by the random removal of 10% of the compds. to form a new test set, for which predictions were made using the models. The overall means of the correct classification for this process (leave group 10% full-out cross validation) using the equations with nonstochastic and stochastic atom-based quadratic fingerprints were 93.93% and 92.77%, resp. The quadratic maps-based TOMOCOMD-CARDD approach implemented in this work was successfully compared with four of the most useful models for antimalarials selection reported to date. The developed models were then used in a simulation of a virtual search for Ras FTase (FTase = farnesyltransferase) inhibitors with antimalarial activity; 70% and 100% of the 10 inhibitors used in this virtual search were correctly classified, showing the ability of the models to identify new lead antimalarials. Finally, these two QSAR models were used in the identification of previously unknown antimalarials. In this sense, three synthetic intermediaries of quinolinic compds. were evaluated as active/inactive ones using the developed models. The synthesis and biol. evaluation of these chems. against two malaria strains, using chloroquine as a reference, was performed. An accuracy of 100% with the theor. predictions was observed. Compound 3 showed antimalarial activity, being the first report of an arylaminomethylenemalonate having such behavior. This result opens a door to a virtual study considering a higher variability of the structural core already evaluated, as well as of other chems. not included in this study. We conclude that the approach described here seems to be a promising QSAR tool for the mol. discovery of novel classes of antimalarial drugs, which may meet the dual challenges posed by drug-resistant parasites and the rapid progression of malaria illnesses.

REFERENCE COUNT: 111 THERE ARE 111 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:371025 CAPLUS
 DOCUMENT NUMBER: 142:417205
 TITLE: Nitric oxide topical technology
 INVENTOR(S): Leitman, Lorn; Barni, Gustavo
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 5 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005090545	A1	20050428	US 2003-691025	20031022
PRIORITY APPLN. INFO.:			US 2003-691025	20031022

AB The invention enables application of L-arginine made with arginine α -ketoglutarate, arginine pyroglutamate, arginine ketoisocaproate and ornithine α -ketoglutarate to work together and sep. along with other ingredients, topically. It is intended to improve the process by which these compds. work in the human organism. The invention is based on the facts that L-arginine is: (1) the immediate precursor of the endogenous vasodilator found in the arterial blood vessels,

endothelium-derived relaxing factor (EDRF), required for protein synthesis and, depending on the organism's needs, can either be metabolized to support glucose synthesis or catabolized to produce energy. This simplified noninvasive application surpasses gastrointestinal digestion so the compds. will not degrade and favoring absorption into the circulatory system thus enhancing the compound effects and at much lower dosage levels than oral or parenteral administration. A composition comprises L-arginine to be used topically that creates increases in muscle size, strength, endurance and power output. Thus, a composition consisted essentially of L-arginine α -ketoglutarate dihydrate 1000, potassium bicarbonate 100, sodium bicarbonate 100, glycine 100, iso-Pr myristate 800, water 700, and vitamin skin smoother with corn 2000 mg.

L8 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:244333 CAPLUS

DOCUMENT NUMBER: 143:307

TITLE: Atom, atom-type, and total nonstochastic and stochastic quadratic fingerprints: a promising approach for modeling of antibacterial activity

AUTHOR(S): Marrero-Ponce, Yovani; Medina-Marrero, Ricardo; Torrens, Francisco; Martinez, Yamile; Romero-Zaldivar, Vicente; Castro, Eduardo A.

CORPORATE SOURCE: Department of Pharmacy, Faculty of Chemical-Pharmacy, Central University of Las Villas, Santa Clara, 54830, Cuba

SOURCE: Bioorganic & Medicinal Chemistry (2005), 13(8), 2881-2899

CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The Topol. Mol. Computer Design (TOMOCOMD-CARDD) approach has been introduced for the classification and design of antimicrobial agents using computer-aided mol. design. For this propose, atom, atom-type, and total quadratic indexes have been generalized to codify chemical structure information. In this sense, stochastic quadratic indexes have been introduced for the description of the mol. structure. These stochastic fingerprints are based on a simple model for the intramol. movement of all valence-bond electrons. In this work, a complete data set containing 1006 antimicrobial agents is collected and presented. Two structure-based antibacterial activity classification models have been generated. The models (including nonstochastic and stochastic indexes) classify correctly more than 90% of 1525 compds. in training sets. These models permit the correct classification of 92.28% and 89.31% of 505 compds. in an external test sets. The approach, also, satisfactorily compares with respect to nine of the most useful models for antimicrobial selection reported to date. Finally, a virtual screening of 87 new compds. reported in the anti-infective field with antibacterial activities is developed showing the ability of the models to identify new leads as antibacterial.

REFERENCE COUNT: 91 THERE ARE 91 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:991310 CAPLUS

DOCUMENT NUMBER: 140:31162

TITLE: Use of an agent mimicking dopachrome tautomerase (Trp-2) activity as protective agent for hair follicle melanocytes and uses thereof

INVENTOR(S): Commo, Stephane; Gaillard, Olivier; Bernard, Bruno

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003103616 A2 20031218 WO 2003-FR1729 20030610
 WO 2003103616 A3 20040415
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
 PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, CA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 FR 2840531 A1 20031212 FR 2002-7137 20020611
 FR 2840531 B1 20041029
 CA 2487945 AA 20031218 CA 2003-2487945 20030610
 AU 2003255653 A1 20031222 AU 2003-255653 20030610
 EP 1515688 A2 20050323 EP 2003-757134 20030610
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006512285 T2 20060413 JP 2004-510737 20030610
 US 2005186233 A1 20050825 US 2004-9153 20041213
 FR 2002-7137 A 20020611
 US 2002-389708P P 20020619
 WO 2003-FR1729 W 20030610

PRIORITY APPLN. INFO.:

AB The invention concerns the cosmetic use of an agent mimicking dopachrome tautomerase (Trp-2) activity as protective agent for hair follicle melanocytes and its use, in particular for fighting against canities. The invention also concerns specific cosmetic compns. for fighting against canities comprising in a cosmetically acceptable medium at least an agent mimicking dopachrome tautomerase (Trp-2) activity and their uses. The invention further concerns a method for treating canities and a method for preserving natural pigmentation of gray or white hair and/or hairs by applying a cosmetic composition comprising at least one agent mimicking dopachrome tautomerase activity. Finally, the invention concerns a method for identifying at least one agent mimicking dopachrome tautomerase (Trp-2) activity and a method for evaluating its cytoprotective activity. A hair lotion contained dopachrome tautomerase 0.5, propylene glycol 20, ethanol 30 and water q.s. 100 g.

L8 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:971575 CAPLUS

DOCUMENT NUMBER: 140:31172

TITLE: Cosmetic composition containing an agent mimicking the activity of dopachrome tautomerase (Trp-2) to prevent hair whitening

INVENTOR(S): Commo, Stephane; Gaillard, Olivier; Bernard, Bruno

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: Fr. Demande, 39 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2840531	A1	20031212	FR 2002-7137	20020611
FR 2840531	B1	20041029		
CA 2487945	AA	20031218	CA 2003-2487945	20030610
WO 2003103616	A2	20031218	WO 2003-FR1729	20030610
WO 2003103616	A3	20040415		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,				

FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2003255653 A1 20031222 AU 2003-255653 20030610
 EP 1515688 A2 20050323 EP 2003-757134 20030610
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006512285 T2 20060413 JP 2004-510737 20030610
 US 2005186233 A1 20050825 US 2004-9153 20041213

PRIORITY APPLN. INFO.:

FR 2002-7137 A 20020611
 US 2002-389708P P 20020619
 WO 2003-FR1729 W 20030610

AB A cosmetic composition to fight against the hair whiteness contains an agent mimicking the activity of dopachrome tautomerase (Trp-2). The invention refers moreover to a method for identifying an agent mimicking the activity of Trp-2. Expression of Trp-2 in melanocytes from human hair follicles and epidermis is studied. A hair lotion contained Trp-2 0.5, propylene glycol 20, ethanol 30, and water q.s. 100 g.

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:116751 CAPLUS

DOCUMENT NUMBER: 132:156552

TITLE: Deodorant and/or moisturizing cosmetic composition containing an orthophosphoric acid ester and polyacrylate

INVENTOR(S): Mucci, Paolo; Meucci, Sandro; Ceccarelli, Luigi

PATENT ASSIGNEE(S): Societa Italo-Britannica L. Manetti-H. Roberts & C. S.p.A., Italy

SOURCE: Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 979644	A1	20000216	EP 1999-830439	19990708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
IT 1302023	B1	20000720	IT 1998-MI1895	19980813
PRIORITY APPLN. INFO.:			IT 1998-MI1895	A 19980813

AB A deodorant and/or moisturizing cosmetic composition formed by an emulsion oil in water, comprising: (a) a combination of two or more deodorant and/or moisturizing active ingredients, (b) an orthophosphoric acid ester in an amount comprised between 0.3 and 7%, and (c) a water soluble resin consisting of a homopolymer of the acrylic acid in an amount comprised between 0.05% and 1.5%, said composition having a viscosity at 20°C comprised between 800 and 10000 cps. The main advantage of the cosmetic composition according to the invention consists in that it is a cream and, at the same time, is vaporizable, as the viscosity is always comprised in the above stated range. A vaporizable cream contained water 74.876, vaseline oil 8.000, propylene glycol 5.000, Myritol 312 5.000, Hostaphat KL 340 N 3.000, Cosmacol ELI 1.000, perfume 1.000, farnesol 0.6000, vitamin E acetate 0.500, Germaben II 0.500, Carbopol 5/984 0.300, sodium hydroxide 0.124, disodium EDTA, and BHT 0.050%.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:65929 CAPLUS

DOCUMENT NUMBER: 128:128292

TITLE: Preparation of somatostatin derivatives and their combinations with amino acids or oligopeptides for promoting body growth

INVENTOR(S): Volpato, Ivo; Bizzini, Bernard; Grabitz, Ernst Bernhard

PATENT ASSIGNEE(S): Dox-Al Italia S.P.A., Italy

SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9801474	A2	19980115	WO 1997-EP3605	19970708
WO 9801474	A3	19980409		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9736930	A1	19980202	AU 1997-36930	19970708
EP 914342	A2	19990512	EP 1997-933655	19970708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRIORITY APPLN. INFO.:		IT 1996-MI1408	A	19960708
		WO 1997-EP3605	W	19970708

OTHER SOURCE(S): MARPAT 128 128292

AB Chemical modified somatostatins administered to man and animals can significantly increase the body growth rate and index. Furthermore, L-amino acids (in particular arginine pyroglutamate) or oligopeptides, administered orally in combination with the claimed derivs. of chemical modified somatostatins, produce a synergic effect on body growth. Thus, polymerized somatostatin was prepared and shown to significantly increase animal growth (178.5 vs. 144.6% for the placebo after 21 days).

L8 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:124398 CAPLUS
 DOCUMENT NUMBER: 108:124398
 TITLE: Effect of pyroglutamic acid stereoisomers on ECS and scopolamine-induced memory disruption and brain acetylcholine levels in the rat
 AUTHOR(S): Spignoli, G.; Magnani, M.; Giovannini, M. G.; Pepeu, G.
 CORPORATE SOURCE: Dep. Preclin. Clin. Pharmacol., Univ. Florence, Florence, 50134, Italy
 SOURCE: Pharmacological Research Communications (1987), 19(12), 901-12
 CODEN: PLRCAT, ISSN: 0031-6989
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB In rats, the acquisition of a passive avoidance conditioned response was disrupted by electroconvulsive shock (ECS) or scopolamine administration. DL-Pyroglutamic acid (DL-PCA) 500 and 1000 mg/kg prevented both the ECS and scopolamine-induced amnesia. Arginine alone was ineffective. Scopolamine brought about a 52 and 39% decrease, resp., in cortical and hippocampal acetylcholine (ACh) levels. DL-PCA 500 and 1000 mg/kg also prevented the decrease in brain ACh level. When the 2 isomers were studied sep., D-PCA was more effective than L-PCA and antagonized scopolamine-induced amnesia at 250 and 500 mg/kg. DL-PCA appears to be active on cortical and hippocampal cholinergic mechanisms and, like other 2-oxopyrrolidone derivs., has cognition-enhancing properties.

L8 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:106414 CAPLUS
 DOCUMENT NUMBER: 108:106414
 TITLE: Effects of pyroglutamic acid on learning and memory processes of the rat
 AUTHOR(S): Drago, F.; Continella, G.; Valerio, C.; D'Agata, V.; Astuto, C.; Spadaro, F.; Scapagnini, U.
 CORPORATE SOURCE: Med. Sch., Univ. Catania, Catania, 95125, Italy

SOURCE: Acta Therapeutica (1987), 13(6), 587-94
 CODEN: ACTTDZ; ISSN: 0378-0619

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The arginine salt of pyroglutamic acid (PCA) was administered subchronically to male rats (i.p. injection of 0.1 and 1 g/kg/day for 15 days). The PCA did not modify the rate of acquisition of the pole-jumping response, but inhibited its extinction. The dose of 1 g/kg was more potent than 0.1 g/kg in this respect. In addition, in the passive avoidance task, treatment with PCA was followed by an improvement of avoidance retention. Both 24 and 48 h after the learning trial, PCA-treated rats showed better memory retention than control animals.

L8 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1982:515326 CAPLUS

DOCUMENT NUMBER: 97:115326

TITLE: L-Arginine-DL-pyroglutamate as an agent with an effect on a neuroendocrine area

INVENTOR(S): Orzalesi, Giovanni

PATENT ASSIGNEE(S): Societa Italo-Britannica L. Manetti-H. Roberts e C., Italy

SOURCE: Ger. Offen., 20 pp.
 CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3125512	A1	19820506	DE 1981-3125512	19810629
US 4388325	A	19830614	US 1981-275774	19810622
ZA 8104255	A	19820728	ZA 1981-4255	19810624
JP 57098213	A2	19820618	JP 1981-99793	19810629
CA 1168985	A1	19840612	CA 1981-380896	19810630
			IT 1980-49111	A 19800630

PRIORITY APPLN. INFO.:

AB L-arginine DL-pyroglutamate [64855-91-0] Can increase the sexual activity of elderly male mammals when administered daily at 200-4500 mg orally or 200-1200 mg parenterally. The compound increases dopaminergic tone. Expts. on the response of learning and sexual behavior of young and old rats and on the sexual behavior of men under 40 and over 60 yr old to the peptide are described. There was no effect on the sexual activity of young men, but that of older men was significantly increased. Capsules were prepared containing peptide 1000, modified starch 98, and Mg stearate 2 mg.

Printed

L8 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1978:517679 CAPLUS

DOCUMENT NUMBER: 89:117679

TITLE: Chemicopharmaceutic and pharmacodynamic characteristics of pyrrolutarginine

AUTHOR(S): Selleri, R.; Orzalesi, G.; Innocenti, F.; Volpato, I.; Bisagno, T.

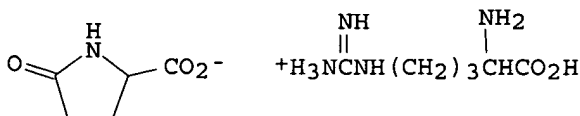
CORPORATE SOURCE: Lab. Ric. Farmacobiol., Soc. Italo-Britannica, Calenzano, Italy

SOURCE: Bollettino Chimico Farmaceutico (1977), 116(12), 735-43
 CODEN: BCFAAI; ISSN: 0006-6648

DOCUMENT TYPE: Journal

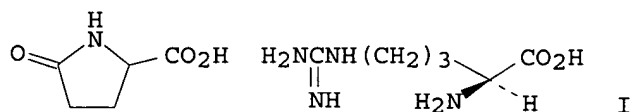
LANGUAGE: Italian

GI



AB Reaction of L-arginine with DL-pyroglutamic acid for a few min in boiling water, followed by evaporation of the solvent and crystallization of the product from 95% EtOH-H₂O (7:3), yielded pyrglutargine (I) [64855-91-0], m. 216-17°, [α]₂₅₀ +11.9° (c 7.00, H₂O), conductivity 54.4 S + mol⁻¹. I is probably a pair of LL- and LD-diastereoisomers. IR, NMR, and mass spectra of I and of the 2 reactant amino acids are also illustrated and discussed. A review is given of previously published results on the pharmacol. of the compound which showed it to affect the central nervous system, inhibiting the effects of neurodepressant drugs and facilitating the learning of some specialized behavior. The formulation of capsules and liquid solns. of I is also described.

L8 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1978:15861 CAPLUS
DOCUMENT NUMBER: 88:15861
TITLE: Chemistry and pharmacology of arginine pyroglutamate.
Analysis of its effects on the CNS
AUTHOR(S): Provenzano, P. M.; Brucato, A.; Gianguzza, S.;
Coppola, A.; Orzalesi, G.; Selleri, R.; Innocenti, F.;
Volpato, I.
CORPORATE SOURCE: Dep. Toxicol., Univ. Palermo, Palermo, Italy
SOURCE: Arzneimittel-Forschung (1977), 27(8), 1553-7
CODEN: ARZNAD; ISSN: 0004-4172
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB The effects of arginine pyroglutamate (I) [64855-91-0] on the central nervous system in rats were studied. I antagonized the general anesthesia produced by Na pentobarbital [57-33-0] even in the presence of medazepam [2898-12-6] and flurazepam [17617-23-1]. I also attenuated the decrease in locomotor behavior induced by pentobarbital and the benzodiazepines. I did not alter the sound discrimination capacity at fixed intervals nor did it influence the learning of a sound discrimination at varied intervals. Learning was moderately accelerated by I in temporal discrimination and conditioned avoidance response tests. Neither arginine nor pyroglutamate had any effect when given alone. Thus, I appears to block the effect of central nervous system depressants without affecting normal behavior.

10/748,615

=> e l-arginine-2-pyrrolidone-5-carboxylate/cn

E1 1 L-ARGININE-2-D/CN
E2 1 L-ARGININE-2-D, MONOHYDROCHLORIDE/CN
E3 0 --> L-ARGININE-2-PYRROLIDONE-5-CARBOXYLATE/CN
E4 1 L-ARGININE-3,4,5,5-T4/CN
E5 1 L-ARGININE-3,4-T2/CN
E6 1 L-ARGININE-4'-PROPOXYAZOBENZENE-4-SULFONATE/CN
E7 1 L-ARGININE-4,4-D2/CN
E8 1 L-ARGININE-4,5-T2/CN
E9 1 L-ARGININE-4-D, ERYTHRO-/CN
E10 1 L-ARGININE-4-D, THREO-/CN
E11 1 L-ARGININE-4-NITROANILIDE HYDROCHLORIDE/CN
E12 1 L-ARGININE-5,5-D2, 3-HYDROXY-, ERYTHRO-/CN

=> e l-lysine hydrochloride/cn

E1 1 L-LYSINE EXPORTER (SHEWANELLA ONEIDENSIS STRAIN MR-1 GENE SO
2865)/CN
E2 1 L-LYSINE EXPORTER (SILICIBACTER POMEROYI STRAIN DSS-3)/CN
E3 1 --> L-LYSINE HYDROCHLORIDE/CN
E4 1 L-LYSINE HYDROCHLORIDE-2,6-NAPHTHALENE DICARBONYL CHLORIDE P
OLYMER/CN
E5 1 L-LYSINE HYDROCHLORIDE-L-METHIONINE-UREA-FORMALDEHYDE POLYME
R/CN
E6 1 L-LYSINE HYDROCHLORIDE-TEREPHTHALOYL CHLORIDE POLYMER/CN
E7 1 L-LYSINE HYDROCHLORIDE-UREA-FORMALDEHYDE POLYMER/CN
E8 1 L-LYSINE HYDROFLUORIDE/CN
E9 1 L-LYSINE HYDROXAMATE HYDROCHLORIDE/CN
E10 1 L-LYSINE HYDROXAMIC ACID/CN
E11 1 L-LYSINE ISOPROPYL ESTER/CN
E12 1 L-LYSINE L-GLUTAMATE/CN

=> s e3

L1 1 "L-LYSINE HYDROCHLORIDE"/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 657-27-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Lysine, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Lysine, monohydrochloride, L- (8CI)

OTHER NAMES:

CN Darvyl

CN L-Gen

CN **L-Lysine hydrochloride**

CN Lyamine

CN Lysine hydrochloride

CN Lysine monohydrochloride

CN Lysion

CN NSC 9253

FS STEREOSEARCH

DR 305-76-0, 93394-22-0

MF C6 H14 N2 O2 . C1 H

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX,
CHEMLIST, CIN, CSChem, DETHERM*, DIOGENES, EMBASE, GMELIN*, HSDB*,
IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, PATDPASPC, PROMT, RTECS*,
SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL

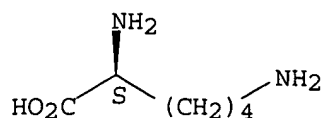
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (56-87-1)

Absolute stereochemistry.



● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1067 REFERENCES IN FILE CA (1907 TO DATE)
29 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1067 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e acetyl-l-carnitine/cn

E1	1	ACETYL-L-ALANYLGLYCYLGLYCINE METHYL ESTER/CN
E2	1	ACETYL-L-ASPARTIC ACID/CN
E3	1	--> ACETYL-L-CARNITINE/CN
E4	1	ACETYL-L-CARNITINE ACID PHOSPHATE/CN
E5	1	ACETYL-L-CARNITINE ACID SULFATE/CN
E6	1	ACETYL-L-CARNITINE GLUCOSE PHOSPHATE/CN
E7	1	ACETYL-L-CARNITINE GLYCEROPHOSPHATE/CN
E8	1	ACETYL-L-CARNITINE LACTATE/CN
E9	1	ACETYL-L-CARNITINE MAGNESIUM CITRATE/CN
E10	1	ACETYL-L-CARNITINE METHANESULFONATE/CN
E11	1	ACETYL-L-CARNITINE OROTATE/CN
E12	1	ACETYL-L-CARNITINE TRICHLOROACETATE/CN

=> s e3

L2 1 ACETYL-L-CARNITINE/CN

=> d l2

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 3040-38-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,
(2R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,
(R)-

CN Ammonium, (3-carboxy-2-hydroxypropyl)trimethyl-, hydroxide, inner salt,
acetate, L- (8CI)

OTHER NAMES:

CN (-)-Acetylcarnitine

CN (R)-Acetylcarnitine

CN Acetyl-L-(-)-carnitine

CN **Acetyl-L-carnitine**

CN Acetylcarnitine

CN ALCAR

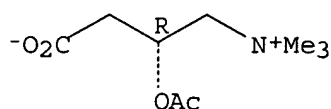
CN L-Acetylcarnitine

CN L-Carnitine acetyl ester

CN L-O-Acetylcarnitine

CN Levocarnitine acetyl
 CN Nicetile
 CN O-Acetyl-L-carnitine
 CN O-Acetylcarnitine
 FS STEREOSEARCH
 DR 461-77-8, 541-68-4, 3624-25-7, 74832-89-6
 MF C9 H17 N O4
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IMSCOSEARCH,
 IMSDRUGNEWS, IMSRESEARCH, IPA, MRCK*, PROMT, PROUSDDR, RTECS*,
 TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: WHO

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

857 REFERENCES IN FILE CA (1907 TO DATE)
 19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 858 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e l-arginine/cn

E1	1	L-ARGININAMIDE-N-15N, L-VALYL-L-GLUTAMINYL-N-15N-L-ALANYL-L-ASPARAGINYL-N-15N-L-ISOLEUCYL-L-ALANYLGLYCYL-L-HISTIDYLGLYCYL-L-L-GLUTAMINYL-L-GLUTAMINYL-N-15N-L-VALYL-L-LEUCYL-L-ISOLEUCYL-/CN
E2	1	L-ARGININAMIDE-N2-15N, N-FORMYL-L-ALANYL-/CN
E3	1 -->	L-ARGININE/CN
E4	1	L-ARGININE A-PHENOXYBUTYRATE/CN
E5	1	L-ARGININE B-NAPHTHYLAMIDE/CN
E6	1	L-ARGININE 2-NAPHTHYLAMIDE/CN
E7	1	L-ARGININE 4'-ETHOXYAZOBENZENE-4-SULFONATE/CN
E8	1	L-ARGININE 4-METHYLCOUMARYL-7-AMIDE/CN
E9	1	L-ARGININE ACETYLSALICYLATE/CN
E10	1	L-ARGININE ACETYLSALICYLATE SALT (1:1)/CN
E11	1	L-ARGININE ACETYLSALICYLIC ACID SALT/CN
E12	1	L-ARGININE AMIDE/CN

=> s e3

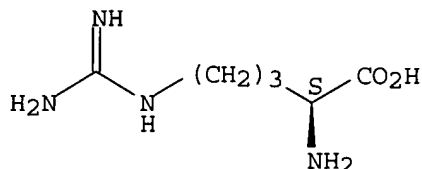
L3 1 L-ARGININE/CN

=> d l3

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 74-79-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN **L-Arginine (9CI)** (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Arginine, L- (8CI)
 OTHER NAMES:
 CN (S)-2-Amino-5-[(aminoiminomethyl)amino]pentanoic acid

CN Arginine
 CN L-(+)-Arginine
 CN L- α -Amino- δ -guanidinovaleric acid
 CN L-Arg
 CN L-Norvaline, 5-[(aminoiminomethyl)amino]-
 CN L-Ornithine, N5-(aminoiminomethyl)-
 CN NSC 206269
 CN Pentanoic acid, 2-amino-5-[(aminoiminomethyl)amino]-, (S)-
 FS STEREOSEARCH
 DR 667422-95-9, 7004-12-8, 142-49-4
 MF C6 H14 N4 O2
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU,
 DETHERM*, DIOGENES, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB,
 IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC,
 PATDPASPC, PHAR, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE,
 TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

41313 REFERENCES IN FILE CA (1907 TO DATE)
 1202 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 41367 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e maltodextrin/cn

E1	1	MALTOBIOURONOSIDE, BENZYL, METHYL ESTER, HEXAACETATE/CN
E2	2	MALTODECAOSE/CN
E3	1 -->	MALTODEXTRIN/CN
E4	1	MALTODEXTRIN 19/CN
E5	1	MALTODEXTRIN 24DE/CN
E6	1	MALTODEXTRIN ABC TRANSPORTER ATP-BINDING PROTEIN (MYCOPLASMA MOBILE STRAIN 163K GENE MALK)/CN
E7	1	MALTODEXTRIN ABC TRANSPORTER ATP-BINDING PROTEIN MALK (MYCOPLASMA PULMONIS STRAIN UAB CTIP GENE MYPYU-6410)/CN
E8	1	MALTODEXTRIN ABC TRANSPORTER PERMEASE PROTEIN (MYCOPLASMA MOBILE STRAIN 163K GENE MALC)/CN
E9	1	MALTODEXTRIN ABC TRANSPORTER PERMEASE PROTEIN MALC (MYCOPLASMA PULMONIS STRAIN UAB CTIP GENE MYPYU-6390)/CN
E10	1	MALTODEXTRIN ABC TRANSPORTER PERMEASE PROTEIN MALD (MYCOPLASMA PULMONIS STRAIN UAB CTIP GENE MYPYU-6400)/CN
E11	1	MALTODEXTRIN ABC TRANSPORTER, PERMEASE PROTEIN (STREPTOCOCCUS PNEUMONIAE STRAIN TIGR4 GENE SP2109)/CN
E12	1	MALTODEXTRIN ABC TRANSPORTER, PERMEASE PROTEIN (STREPTOCOCCUS PNEUMONIAE STRAIN TIGR4 GENE SP2110)/CN

=> s e3

L4 1 MALTODEXTRIN/CN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 9050-36-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN **Maltodextrin (9CI)** (CA INDEX NAME)

OTHER NAMES:

CN Amidex DE 10

CN C Pharm 01980

CN C*De Light 01970

CN C*deLight F 01970

CN C*deLight MD 01970

CN C-Pur 01910

CN C-PUR 01915

CN C-Pur 01921

CN C-Sperse MD 01314

CN Cerestar C*PUR 01915

CN Cerestar PUR 01915

CN DE 2

CN Dextrin, malto

CN Dry Sweet

CN Fibersol 2(E)

CN Foodtex

CN Frodex 10

CN Frodex 20

CN Glucidex 12

CN Glucidex 17

CN Glucidex 19

CN Glucidex 19FD

CN Glucidex 2

CN Glucidex 21

CN Glucidex 2B

CN Glucidex 39

CN Glucidex 6

CN Glucidex IT 12

CN Glucidex IT 19

CN Glucidex IT 6

CN Instant N-Oil II

CN Instant Oil II

CN Instant Stellar

CN K 8

CN Lodex 10

CN Lodex 5

CN Lycadex 100

CN Lycadex 200

CN Lycatab

CN M 01960

CN M 040

CN Maldex 15

CN Maldex 150

CN Maldex 20

CN Maldex 30

CN Malta-Gran 10

CN Malta-Gran TG

CN Maltiva

CN Maltodextrin 19

CN Maltodextrin 24DE

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 126776-44-1, 126776-45-2, 127120-90-5, 54077-26-8, 104859-39-4,

104859-43-0, 104859-45-2, 104859-47-4, 104859-49-6, 104859-62-3,
104859-75-8, 61008-41-1, 142583-82-2, 89750-26-5, 87090-11-7, 39283-25-5,
52769-80-9, 216252-89-0, 220857-34-1, 287179-53-7

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,
CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM,
DDFU, DETHERM*, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
MSDS-OHS, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3125 REFERENCES IN FILE CA (1907 TO DATE)

139 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3125 REFERENCES IN FILE CAPLUS (1907 TO DATE)

(FILE 'HOME' ENTERED AT 16:47:13 ON 08 JUL 2005)

FILE 'REGISTRY' ENTERED AT 16:47:30 ON 08 JUL 2005

E L-ARGININE-2-PYRROLIDONE-5-CARBOXYLATE/CN

E L-LYSINE HYDROCHLORIDE/CN

L1 1 S E3

E ACETYL-L-CARNITINE/CN

L2 1 S E3

E L-ARGININE/CN

L3 1 S E3

E MALTODEXTRIN/CN

L4 1 S E3

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10/748,615

Welcome to STN International! Enter x:x

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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- NEWS 2 "Ask CAS" for self-help around the clock
- NEWS 3 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
- NEWS 4 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
- NEWS 5 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
- NEWS 6 JAN 17 Pre-1988 INPI data added to MARPAT
- NEWS 7 JAN 17 IPC 8 in the WPI family of databases including WPIFV
- NEWS 8 JAN 30 Saved answer limit increased
- NEWS 9 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
visualization results
- NEWS 10 FEB 22 The IPC thesaurus added to additional patent databases on STN
- NEWS 11 FEB 22 Updates in EPFULL; IPC 8 enhancements added
- NEWS 12 FEB 27 New STN AnaVist pricing effective March 1, 2006
- NEWS 13 FEB 28 MEDLINE/LMEDLINE reload improves functionality
- NEWS 14 FEB 28 TOXCENTER reloaded with enhancements
- NEWS 15 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
property data
- NEWS 16 MAR 01 INSPEC reloaded and enhanced
- NEWS 17 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
- NEWS 18 MAR 08 X.25 communication option no longer available after June 2006
- NEWS 19 MAR 22 EMBASE is now updated on a daily basis
- NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
- NEWS 21 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
thesaurus added in PCTFULL
- NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered
- NEWS 23 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
- NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display
in MARPAT
- NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during
second quarter; strategies may be affected
- NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
<http://download.cas.org/express/v8.0-Discover/>
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* * * * *

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Take survey: <http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW>

Thank you in advance for your participation.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:18:30 ON 09 MAY 2006

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 12:18:51 ON 09 MAY 2006

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FILE COVERS 1907 - 9 May 2006 VOL 144 ISS 20

FILE LAST UPDATED: 8 May 2006 (20060508/ED)

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<http://www.cas.org/infopolicy.html>

=> s us 20050143343.pn

98845 US
3198926 USES
3290620 US
(US OR USES)
0 20050143343
33567 PN
1998 PNS
35426 PN
(PN OR PNS)

L1 0 US 20050143343.PN
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=> s us 20050143343/pn

L2 1 US 20050143343/PN
(US2005143343/PN)

=> sel rn

E1 THROUGH E10 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.34	8.55

FILE 'REGISTRY' ENTERED AT 12:19:33 ON 09 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 8 MAY 2006 HIGHEST RN 883439-06-3
DICTIONARY FILE UPDATES: 8 MAY 2006 HIGHEST RN 883439-06-3

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s e1-e10

- 1 107-35-7/BI
(107-35-7/RN)
- 1 12629-01-5/BI
(12629-01-5/RN)
- 1 3040-38-8/BI
(3040-38-8/RN)
- 1 50-23-7/BI
(50-23-7/RN)
- 1 502-65-8/BI
(502-65-8/RN)
- 1 56-85-9/BI
(56-85-9/RN)
- 1 60-18-4/BI
(60-18-4/RN)
- 1 64855-91-0/BI
(64855-91-0/RN)
- 1 657-27-2/BI
(657-27-2/RN)
- 1 9050-36-6/BI
(9050-36-6/RN)

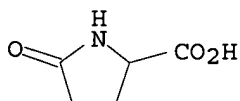
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502-65-8/BI OR 56-85-9/BI OR 60-18-4/BI OR 64855-91-0/BI OR
657-27-2/BI OR 9050-36-6/BI)

=> d

L3 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN
RN 64855-91-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN Proline, 5-oxo-, compd. with L-arginine (1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN DL-Proline, 5-oxo-, compd. with L-arginine (1:1)
CN L-Arginine, compd. with 5-oxo-DL-proline (1:1)
CN L-Arginine, compd. with 5-oxoproline (1:1) (9CI)
OTHER NAMES:
CN Arginine pyroglutamate
CN Pyrroglutargine
FS STEREOSEARCH
MF C6 H14 N4 O2 . C5 H7 N O3
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CHEMLIST, EMBASE, PHAR,
PROMT, PS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

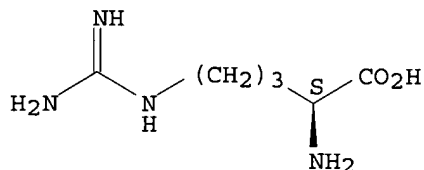
CRN 149-87-1
CMF C5 H7 N O3



CM 2

CRN 74-79-3
CMF C6 H14 N4 O2

Absolute stereochemistry.



13 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 2-10 13

L3 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN
RN 12629-01-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Somatotropin (human) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1: PN: US5958879 TABLE: 5 claimed protein
CN 3: PN: WO0030587 SEQID: 1 claimed protein
CN Bio-Tropin
CN CB 311
CN Corpormon
CN Crescormon
CN Genotropin
CN Growth hormone (human pituitary)

CN Human growth hormone
CN Humatrope
CN Infitropin CR
CN LY 137998
CN Norditropin
CN Norditropin SimpleXx
CN Nordotropin
CN Nutropin
CN Nutropin Depot
CN Saizen
CN SJ 0011
CN Somatogen
CN Somatotropin (human)
CN Somatropin
CN SR 29001
CN Valtropin
CN Zomacton
CN Zorbtive
FS PROTEIN SEQUENCE
DR 869741-23-1, 11145-52-1
MF Unspecified
CI MAN
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU,
DRUGU, EMBASE, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA,
MEDLINE, MRCK*, PATDPASPC, PHAR, PIRA, PROMT, RTECS*, SCISEARCH,
TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1400 REFERENCES IN FILE CA (1907 TO DATE)
99 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1400 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN
RN 9050-36-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Maltodextrin (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Actistar 11700
CN Amidex DE 10
CN C Pharm 01980
CN C*De Light 01970
CN C*deLight F 01970
CN C*deLight MD 01970
CN C-Pur 01910
CN C-PUR 01915
CN C-Pur 01921
CN C-Sperse MD 01314
CN Cerestar C*PUR 01915
CN Cerestar PUR 01915
CN DE 2
CN Dextrin, malto
CN Dry Sweet
CN Fibersol 2(E)
CN Foodtex
CN Frodex 10
CN Frodex 20
CN Glister
CN Glucidex 12
CN Glucidex 17

CN Glucidex 19
CN Glucidex 19FD
CN Glucidex 2
CN Glucidex 21
CN Glucidex 2B
CN Glucidex 39
CN Glucidex 6
CN Glucidex IT 12
CN Glucidex IT 19
CN Glucidex IT 6
CN Glucidex IT 8
CN Instant N-Oil II
CN Instant Oil II
CN Instant Stellar
CN K 8
CN Lodex 10
CN Lodex 5
CN Lycadex 100
CN Lycadex 200
CN Lycatab
CN M 01960
CN M 040
CN Maldex 15
CN Maldex 150
CN Maldex 20
CN Maldex 30
CN Malta-Gran 10
CN Malta-Gran TG

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 126776-44-1, 126776-45-2, 127120-90-5, 54077-26-8, 104859-39-4,
104859-43-0, 104859-45-2, 104859-47-4, 104859-49-6, 104859-62-3,
104859-75-8, 61008-41-1, 142583-82-2, 89750-26-5, 87090-11-7, 39283-25-5,
52769-80-9, 216252-89-0, 220857-34-1, 287179-53-7

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS,
CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU,
EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT,
TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3496 REFERENCES IN FILE CA (1907 TO DATE)

154 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3507 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN

RN 3040-38-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,
(2R)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,
(R)-

CN Ammonium, (3-carboxy-2-hydroxypropyl)trimethyl-, hydroxide, inner salt,
acetate, L- (8CI)

OTHER NAMES:

CN (-)-Acetylcarnitine

CN (R)-Acetylcarnitine

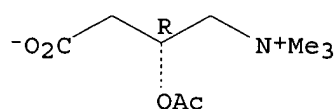
CN Acetyl-L-(-)-carnitine

CN Acetyl-L-carnitine

CN Acetylcarnitine

CN ALCAR
 CN L-Acetylcarnitine
 CN L-Carnitine acetyl ester
 CN L-O-Acetylcarnitine
 CN Levocarnitine acetyl
 CN Nicetile
 CN O-Acetyl-L-carnitine
 CN O-Acetylcarnitine
 FS STEREOSEARCH
 DR 461-77-8, 541-68-4, 3624-25-7, 74832-89-6
 MF C9 H17 N O4
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DRUGU, EMBASE, IMSCSEARCH, IMSDRUGNEWS, IMSRESEARCH, IPA, MRCK*, PROMT, PROUSDDR, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: WHO

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

910 REFERENCES IN FILE CA (1907 TO DATE)
 20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 911 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN

RN 657-27-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Lysine, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Lysine, monohydrochloride, L- (8CI)

OTHER NAMES:

CN Darvyl

CN L-Gen

CN L-Lysine hydrochloride

CN Lyamine

CN Lysine hydrochloride

CN Lysine monohydrochloride

CN Lysion

CN NSC 9253

FS STEREOSEARCH

DR 305-76-0, 93394-22-0

MF C6 H14 N2 O2 . Cl H

CI COM

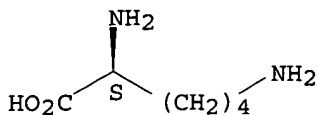
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DETHERM*, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, PATDPASPC, PROMT, RTECS*, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (56-87-1)

Absolute stereochemistry.



● HCl

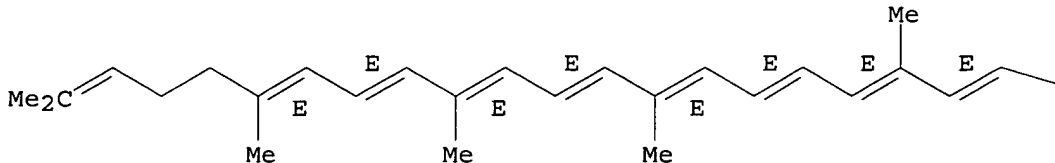
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1118 REFERENCES IN FILE CA (1907 TO DATE)
 31 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1118 REFERENCES IN FILE CAPLUS (1907 TO DATE)

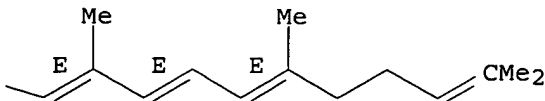
L3 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 502-65-8 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN ψ,ψ -Carotene (9CI) (CA INDEX NAME) ✓
 OTHER CA INDEX NAMES:
 CN Lycopene, all-trans- (8CI)
 OTHER NAMES:
 CN (6E,8E,10E,12E,14E,16E,18E,20E,22E,24E,26E)-2,6,10,14,19,23,27,31-Octamethyl-2,6,8,10,12,14,16,18,20,22,24,26,30-dotriacontatridecaene
 CN (all-E)-2,6,10,14,19,23,27,31-Octamethyl-2,6,8,10,12,14,16,18,20,22,24,26,30-dotriacontatridecaene
 CN 2,6,8,10,12,14,16,18,20,22,24,26,30-Dotriacontatridecaene, 2,6,10,14,19,23,27,31-octamethyl-, (6E,8E,10E,12E,14E,16E,18E,20E,22E,24E,26E)-
 CN all-trans-Lycopene
 CN C.I. 75125
 CN Lyco Vit
 CN Lycopene
 CN Lycopene 7
 CN NSC 407322
 CN trans-Lycopene
 FS STEREOSEARCH
 DR 7634-65-3, 25453-98-9
 MF C40 H56
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS*, SCISEARCH, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.

PAGE 1-A



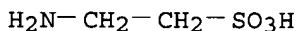
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3939 REFERENCES IN FILE CA (1907 TO DATE)
25 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3964 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN
RN 107-35-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Ethanesulfonic acid, 2-amino- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Taurine (8CI)
OTHER NAMES:
CN β -Aminoethylsulfonic acid ✓
CN 1-Aminoethane-2-sulfonic acid
CN 2-Aminoethanesulfonic acid
CN 2-Aminoethansulfonic acid
CN 2-Aminoethylsulfonic acid
CN 2-Sulfoethylamine
CN NSC 32428
CN O-Due
CN Taufon
CN Taukard
CN Tauphon
FS 3D CONCORD
DR 91105-79-2
MF C2 H7 N O3 S
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*, DRUGU,
EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
NAPRALERT, PATDPASPC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE,
TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)



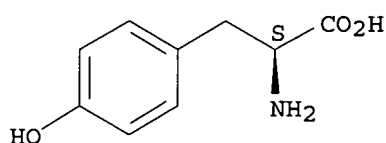
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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708 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
13011 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN
RN 60-18-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Tyrosine (9CI) (CA INDEX NAME) ✓
OTHER CA INDEX NAMES:
CN Tyrosine, L- (8CI)
OTHER NAMES:
CN (-)- α -Amino-p-hydroxyhydrocinnamic acid
CN (2S)-2-Amino-3-(4-hydroxyphenyl)propanoic acid
CN (S)- α -Amino-4-hydroxybenzenepropanoic acid
CN (S)-2-Amino-3-(4-hydroxyphenyl)propanoic acid
CN (S)-Tyrosine
CN 58: PN: US20040014159 SEQID: 33 unclaimed sequence
CN Benzenepropanoic acid, α -amino-4-hydroxy-, (S)-
CN L-(-)-Tyrosine
CN L-p-Tyrosine
CN L-Phenylalanine, 4-hydroxy-

CN NSC 82624
 CN NSC 9973
 CN p-Tyrosine
 CN Propanoic acid, 2-amino-3-(4-hydroxyphenyl)-, (S)-
 CN Tyrosine
 FS STEREOSEARCH
 DR 140-43-2, 55520-40-6, 1991-85-1, 46209-14-7
 MF C9 H11 N O3
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU,
 EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
 MSDS-OHS, NAPRALERT, PATDPASPC, PHAR, PIRA, PROMT, PS, RTECS*, SPECINFO,
 SYNTHLINE, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

43928 REFERENCES IN FILE CA (1907 TO DATE)
 1165 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 43980 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN

RN 56-85-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Glutamine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glutamine, L- (8CI)

OTHER NAMES:

CN (S)-2,5-Diamino-5-oxopentanoic acid

CN γ-Glutamine

CN 2-Aminoglutaramic acid

CN Acustasin

CN Aesgen 14

CN Cebrogen

CN Glumin

CN Glumin (amino acid)

CN Glutamax

CN Glutamic acid 5-amide

CN Glutamic acid amide

CN Glutamine

CN L-(+)-Glutamine

CN L-2-Aminoglutaramidic acid

CN L-Glutamic acid γ-amide

CN Levoglutamide

CN NSC 27421

CN Pentanoic acid, 2,5-diamino-5-oxo-, (S)-

CN Stimulina

FS STEREOSEARCH

DR 32640-56-5

MF C5 H10 N2 O3

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE,

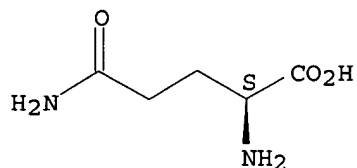
GMELIN*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH,
IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PROMT, PS, RTECS*, SYNTHLINE,
TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

24245 REFERENCES IN FILE CA (1907 TO DATE)

474 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

24276 REFERENCES IN FILE CAPLUS (1907 TO DATE)

6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN

RN 50-23-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11 β)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN Cortisol (8CI)

OTHER NAMES:

CN 11 β ,17,21-Trihydroxypregn-4-ene-3,20-dione

CN 11 β ,17,21-Trihydroxyprogesterone

CN 11 β ,17 α ,21-Trihydroxypregn-4-ene-3,20-dione

CN 11 β -Hydroxycortisone

CN 17-Hydroxycorticosterone

CN 17 α -Hydroxycorticosterone

CN 4-Pregnene-11 β ,17 α ,21-triol-3,20-dione

CN Acticort

CN Aeroseb HC

CN Ala-Cort

CN Anflam

CN Anti-inflammatory hormone

CN CaldeCort Spray

CN CCN 90306A

CN Cetacort

CN Cobadex

CN Cort-Dome

CN Cortanal

CN Cortef

CN Cortenema

CN Corticreme

CN Cortifan

CN Cortiment

CN Cortispray

CN Cortonema

CN Cortril

CN Dermacort

CN Dermocortal

CN Dermolate

CN Dihydrocortisone

CN Dioderm

CN Domolene-HC

CN Efcorbin

CN Efcortelan

CN Eldecort

CN Epiderm H

CN Esiderm H
 CN Evacort
 CN Ficortril
 CN Genacort
 CN HC
 CN Heb-Cort
 CN Hidro-Colisona
 CN Hycort
 CN Hycortol
 CN Hycortole
 CN Hydracort
 CN Hydrasson
 CN Hydro-Adreson

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

FS STEREOSEARCH

DR 8056-08-4, 8063-42-1, 80562-38-5

MF C21 H30 O5

CI COM

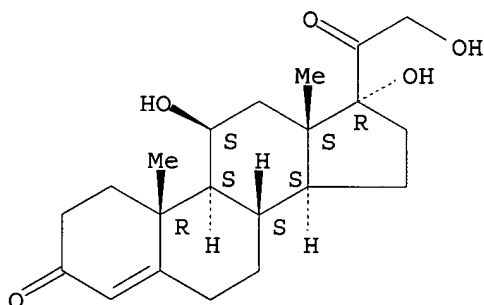
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*, DRUGU,
 EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS,
 IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PHAR, PIRA,
 PROMT, PS, RTECS*, SCISEARCH, SPECINFO, SYNTHLINE, TOXCENTER, USAN,
 USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

37291 REFERENCES IN FILE CA (1907 TO DATE)

351 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

37322 REFERENCES IN FILE CAPLUS (1907 TO DATE)

20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)